

CITY OF MOUNTAIN VIEW

APPLICATION FOR INDUSTRIAL WASTES DISCHARGE PERMIT

Date September 9, 1983

No. _____

A. Name or Organization Fairchild-Linear DivisionAddress 313 Fairchild Drive, Mountain View, Ca. 94039Address of Point of Discharge 545 Whisman Rd. Mtn. View, Ca. 94039

(415)

962-4226

Telephone _____

Individual Responsible Name George J. Lechnerfor Industrial Waste Signature George J. Lechner

Attach Map Showing Point of Discharge, Sampling Points, and Waste Treatment Facility

B. Flow Rate: Average 300,000 gals/day Max. 400,000 gals/day Peak Hourly 400 GPM
10/83 155640

C. Submit separate statement:

1. Detailing type of industry and nature of products
2. Listing chemicals used and approximate concentrations
3. Describing waste treatment facilities
4. Giving characteristics of exceptional industrial wastes
5. Concerning radioactive wastes
6. Naming organic solvents discharged and concentration at point of discharge

D. Indicate the point of discharge concentration of the following characteristics and mass emission rates where applicable.

Biochemical oxygen demand (B.O.D.)	<u>10</u> mg/l	Grease and oil, total	<u>0</u> mg/l
Chemical oxygen demand (C.O.D.)	<u>12</u> mg/l	Hydrogen Ion content pH	<u>5.5 - 10.0</u>
Total Solids, Average	<u>100</u> mg/l	Fluoride	<u>5.0</u> mg/l
Suspended Solids, Average	<u>10</u> mg/l	Temperature	<u>60</u> °F

	Max. Conc. Allowable mg/l	Allowable Mass Emission Rate kg/day		Max. Conc. Allowable mg/l	Allowable Mass Emission Rate kg/day
Arsenic	<u>0.1</u>	<u>0.01</u>	Cyanides	<u>1.0</u>	<u>0.1</u>
Barium	<u>5.0</u>	<u>0.5</u>	Formaldehyde	<u>5.0</u>	<u>0.5</u>
Beryllium	<u>1.0</u>	<u>0.1</u>	Lead	<u>0.5</u>	<u>0.05</u>
Boron	<u>1.0</u>	<u>0.1</u>	Manganese	<u>1.0</u>	<u>0.1</u>
Cadmium	<u>0.1</u>	<u>0.01</u>	Mercury	<u>0.05</u>	<u>0.005</u>
Chromium Hexavalent	<u>1.0</u>	<u>0.1</u>	Nickel	<u>1.0</u>	<u>0.1</u>
Chromium Total	<u>2.0</u>	<u>0.2</u>	Phenols	<u>1.0</u>	<u>0.1</u>
Cobalt	<u>1.0</u>	<u>0.1</u>	Selenium	<u>2.0</u>	<u>0.2</u>
Copper	<u>1.0</u>	<u>0.1</u>	Silver	<u>5.0</u>	<u>0.5</u>
Cresols	<u>2.0</u>	<u>0.2</u>	Zinc	<u>5.0</u>	<u>0.5</u>

NOT TO BE COMPLETED BY APPLICANT

Permit to Discharge Industrial Wastes in Accordance with This
Application Subject to Attached General and Specific Conditions

Maintenance Director _____

Date _____

Permit to Discharge Exceptional Industrial Waste Approved

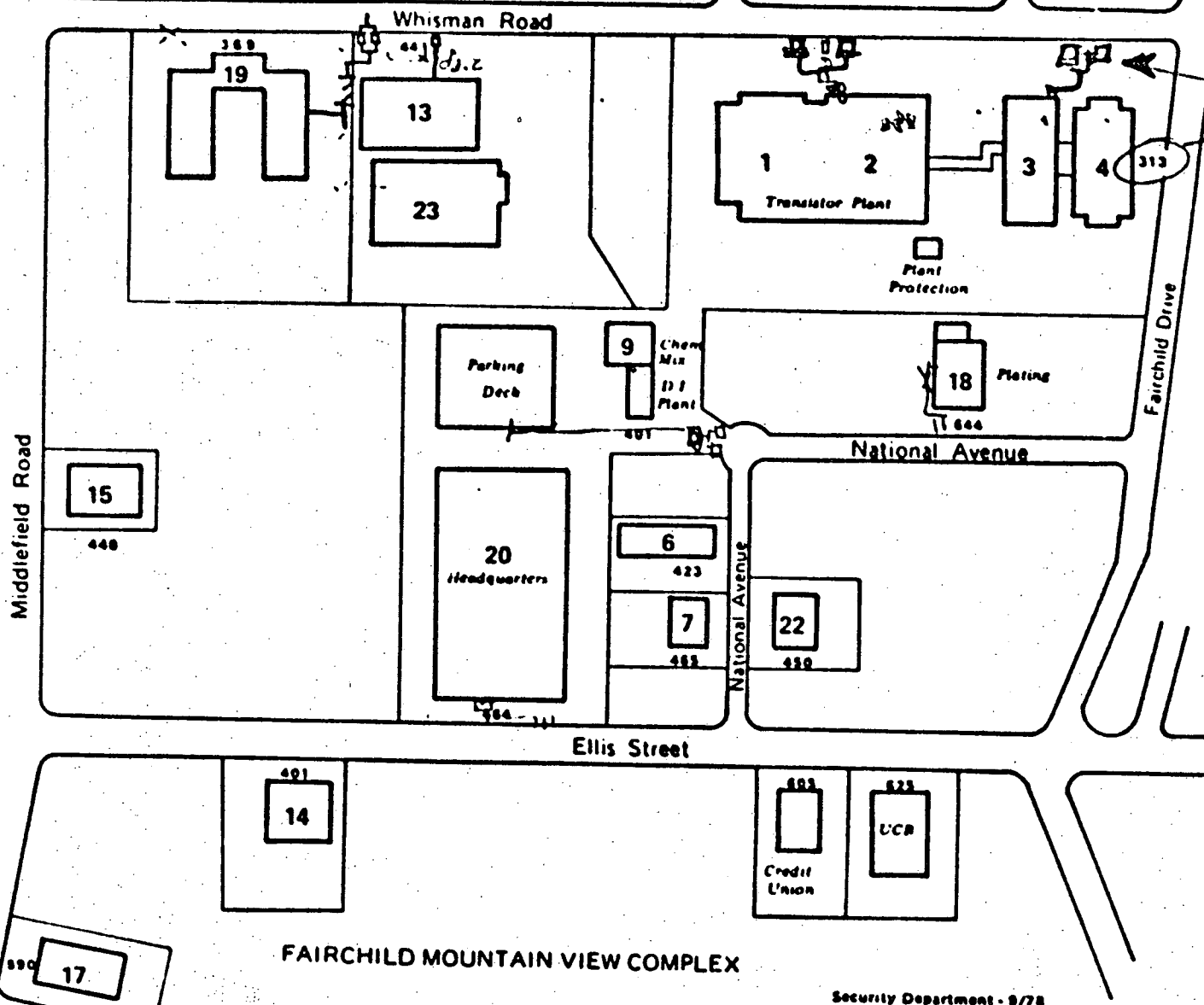
List Details:

Maintenance Director _____

365

Date _____

- 42 South San Jose Facility
101 Berna Road
San Jose, Ca. 95139



ADDENDUM

APPLICATION FOR INDUSTRIAL WASTES DISCHARGE PERMIT

1. Type of Industry and Nature of Products

Fairchild, Linear Division, processes silicon into electronic semiconductor devices, such as circuits for amplifiers, television, audio, telecommunications and voltage regulators.

2. Chemicals used in semiconductor device processing

<u>Gases</u>	<u>Liquids</u>	<u>Liquids</u>
Ammonia	Acetic acid	Aluminum sulfate solution
Argon	Acetone	Detergents
Arsine	Ammonium fluoride	Freon
Boron Trichloride	Ammonium hydroxide	Glycerin
Chlorine	Hydrochloric acid	Isopropanol
Compressed air	Hydrofluoric acid	Methanol
Diborane	Nitric acid	Methylene chloride
Hydrogen	Phosphoric acid	Sodium carbonate solution
Hydrogen chloride	Phosphorous oxychloride	Sodium hydroxide solution
Nitrogen	Sulfuric acid	Trichloroethane
Oxygen		Xylene
Phosphine		

3. Waste Treatment Facilities

Neutralization of acids is provided by injection of NaOH and/or H_2SO_4 (or HCl) into mixing tanks with continuous monitoring and control. Fluoride solutions are captured and disposed of separately, not into the city sewer.

4. Characteristics of exceptional industrial wastes None.

5. Radioactive Wastes

No radioactive wastes are discharged.

6. Organic Solvents

Organic solvent wastes are drummed for subsequent recycling/or disposal at approved recycling, treatment or disposal facilities.



36 Systems Tech
1725 Technology Drive
San Jose, CA 95116

80 Diels Plant
4300 Redwood Hwy.
San Rafael, CA 94903

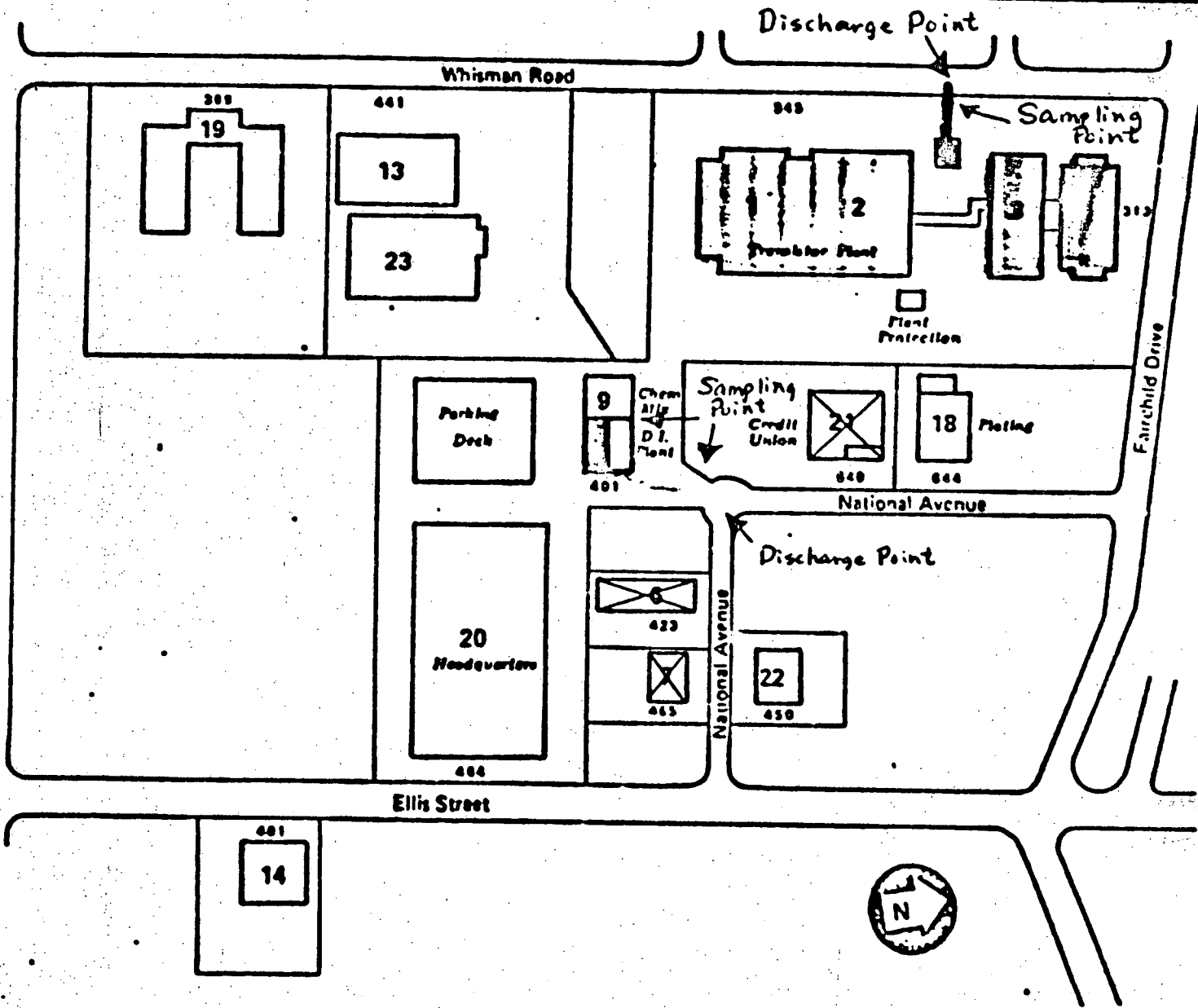
30 Palo Alto Facility
4501 Miranda Avenue
Palo Alto, CA 94304

25 Healdsburg Facility
33 Healdsburg Avenue
Healdsburg, CA 95448

42 South San Jose Facility
101 Bernal Road
San Jose, CA 95128

46 Easton Plant
3105 Alfred Street
Santa Clara, CA 95050

Middlefield Road



FAIRCHILD MOUNTAIN VIEW COMPLEX

Security Department - 4/78